

## SEQUENCE LISTING

<110> Xiong, Yue Ohta, Tomohiko

<120> Isolation of ROC1 and ROC2

<130> Xiong and Ohta

<160> 41

<170> PatentIn Ver. 2.1

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<221> CDS

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tgg gcc tgg gat att gtg gtt gat aac tgt gcc atc tgc agg aac cac 144. Trp Ala Trp Asp Ile Val Val Asp Asn Cys Ala Ile Cys Arg Asn His 35

att atg gat ctt tgc ata gaa tgt caa gct aac cag gcg tcc gct act 192
Ile Met Asp Leu Cys Ile Glu Cys Gln Ala Asn Gln Ala Ser Ala Thr
50 55 60

tca gaa gag tgt act gtc gca tgg gga gtc tgt aac cat gct ttt cac 240 Ser Glu Glu Cys Thr Val Ala Trp Gly Val Cys Asn His Ala Phe His 65 70 75 80

ttc cac tgc atc tct cgc tgg ctc aaa aca cga cag gtg tgt cca ttg 288
Phe His Cys Ile Ser Arg Tro Leu Lys Thr Arg Gln Val Cys Pro Leu
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<213> Homo sapiens

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55

50

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Val Ala Trp Gly Val Cys Asn His Ala Phe His Phe His Cys Ile Ser 50 55 60

Arg Trp Leu Lys Thr Arg Gln Val Cys Pro Leu Asp Asn Ser Glu Trp 65 70 75 80

Glu Phe

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<213> Schizosaccharomyces pombe

<221> SIMILAR

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Ile Glu Cys Gln Ala Asn Thr Asp Ser Ala Ala Ala Gln Glu Cys Thr
35 40 45

Val Ala Trp Gly Thr Cys Asn His Ala Phe His Phe His Cys Ile Ser 50 55 60

Arg Trp Leu Asn Thr Arg Asn Val Cys Pro Leu Asp Asn Arg Glu Trp 65 70 75 80

Glu Phe

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<213> Saccharomyces cerevisiae

<221> SIMILAR

<222> (1)..(82)

<223> Partial Protein Sequence

<400> 35

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1 5 10 15

Ala Val Asp Asn Cys Ala Ile Cys Arg Asn His Ile Met Glu Pro Cys 20 25 30

Ile Glu Cys Gln Pro Lys Ala Met Thr Asp Thr Asp Asn Glu Cys Val 35 40 45

Ala Ala Trp Gly Val Cys Asn His Ala Phe His Leu His Cys Ile Asn 50 60

Lys Trp Ile Lys Thr Arg Asp Ala Cys Pro Leu Asp Asn Gln Pro Trp 65 70 75 80

Gln Leu

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Glu Cys Asp Thr Cys Ala Ile Cys Arg Val Gln Val Met Asp Ala Cys
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Gly Glu Cys Asn His Ser Phe His Asn Cys Cys Met Ser Leu Trp Val
Lys Gln Asn Asn Arg Cys Pro Leu Cys Gln Gln Asp Trp Val Val
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<213> Caenorhabditis elegans
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Glu Cys Asp Thr Cys Ala Ile Cys Arg Val His Leu Met Glu Glu Cys
Leu Arg Cys Gln Ser Glu Pro Ser Ala Glu Cys Tyr Val Val Trp Gly
         35
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Asp Cys Asn His Ser Phe His His Cys Cys Met Thr Gln Trp Ile Arg
Gln Asn Asn Arg Cys Pro Leu Cys Gln Lys Asp Trp Val Val
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Asn Asp Glu Asn Cys Gly Ile Cys Arg Met Ala Phe Asn Gly Cys Cys 20 25 30

Pro Asp Cys Lys Val Pro Gly Asp Asp Cys Pro Leu Val Trp Gly Gln 35 40

Cys Ser His Cys Phe His Met His Cys Ile Leu Lys Trp Leu His Ala 50 60

Gln Gln Val Gln Gln His Cys Pro Met Cys Arg Gln Glu Trp Lys Phe 65 70 75 80

<210> 39

<211> 80

<212> PRT

<213> Drosophila melanogaster

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<222> (1)..(80)

<223> Partial Protein Sequence

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1 5 10 15

Asn Asp Glu Asn Cys Gly Ile Cys Arg Met Ser Phe Glu Ser Thr Cys 20 25 30

Pro Glu Cys Ala Leu Pro Gly Asp Asp Cys Pro Leu Val Trp Gly Val
35 40 45

Cys Ser His Cys Phe His Met His Cys Ile Val Lys Trp Leu Asn Leu 50 55 60

Gln Pro Leu Asn Lys Gln Cys Pro Met Cys Arg Gln Ser Trp Lys Phe 65 70 75 80

<210> 40

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<212> PRT

<213> Caenorhabditis elegans

<221> SIMILAR

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Thr Cys Gly Ile Cys Arg Met Glu Phe Glu Ser Ala Cys Asn Met Cys 20 25 30

Lys Phe Pro Gly Asp Asp Cys Pro Leu Val Leu Gly Ile Cys Arg His
35 40 45

Ala Phe His Arg. His Cys Ile Asp Lys Trp Ile Gln Pro Arg Ala Gln 50 55 60

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<213> Saccharomyces cerevisiae
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Phe Pro Gly Asp Gln Cys Pro Leu Val Ile Gly Leu Cys His His Asn
                                                  45
Phe His Asp His Cys Ile Tyr 'Arg Trp Leu Asp Thr Pro Thr Ser Lys
Gly Leu Cys Pro Met Cys Arg Gln Thr Phe Gln Leu
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70